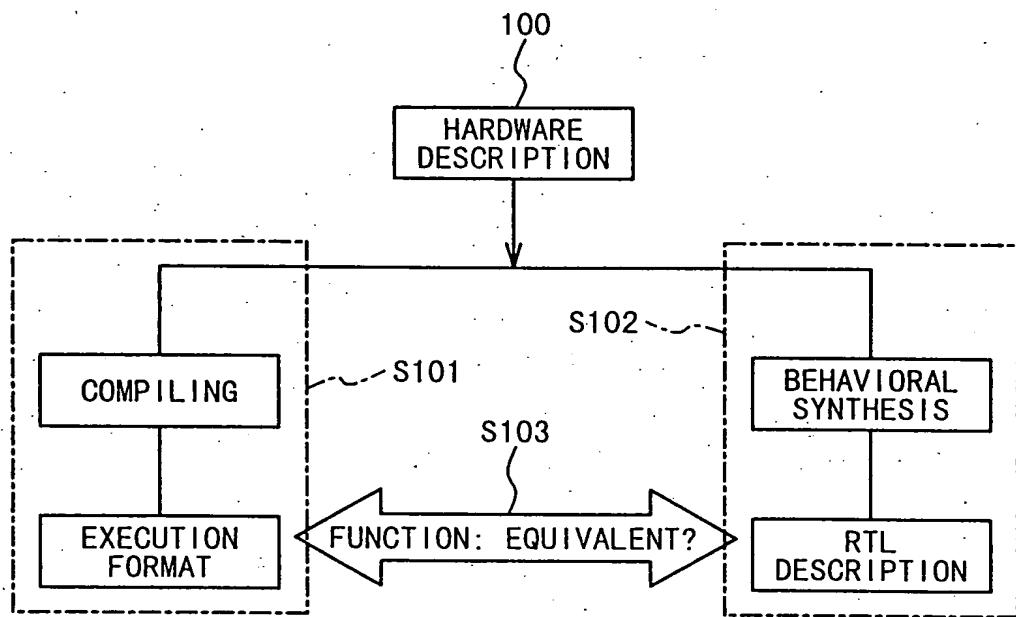


REPLACEMENT SHEET
Amdt. Dated January 24, 2005
Reply to Office Action of Sept. 22, 2004
USSN: 09/777,543



Fig. 1 PRIOR ART





REPLACEMENT SHEET
Amdt. Dated January 24, 2005
Reply to Office Action of Sept. 22, 2004
USSN: 09/777,543

Fig. 2

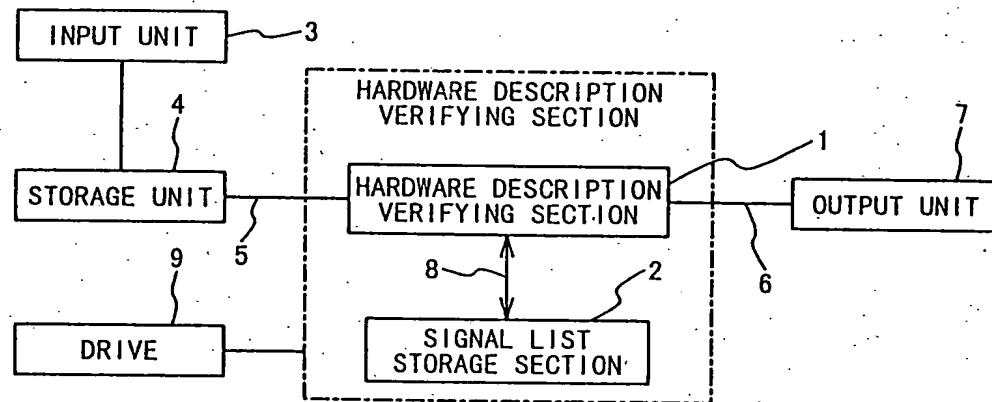


Fig. 3

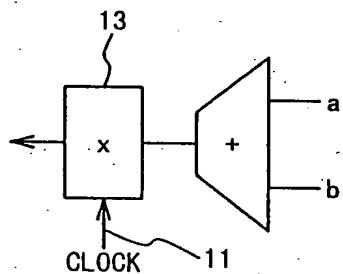
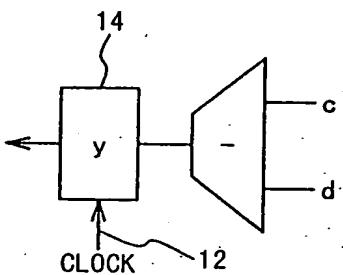


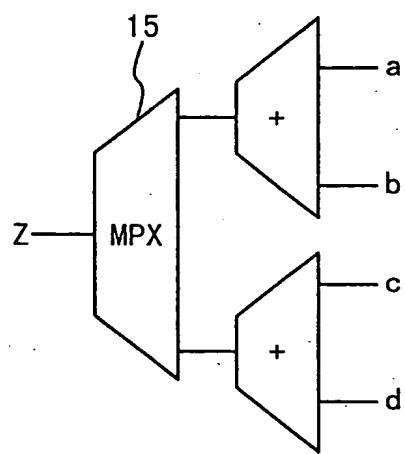
Fig. 4



REPLACEMENT SHEET
Amdt. Dated January 24, 2005
Reply to Office Action of Sept. 22, 2004
USSN: 09/777,543



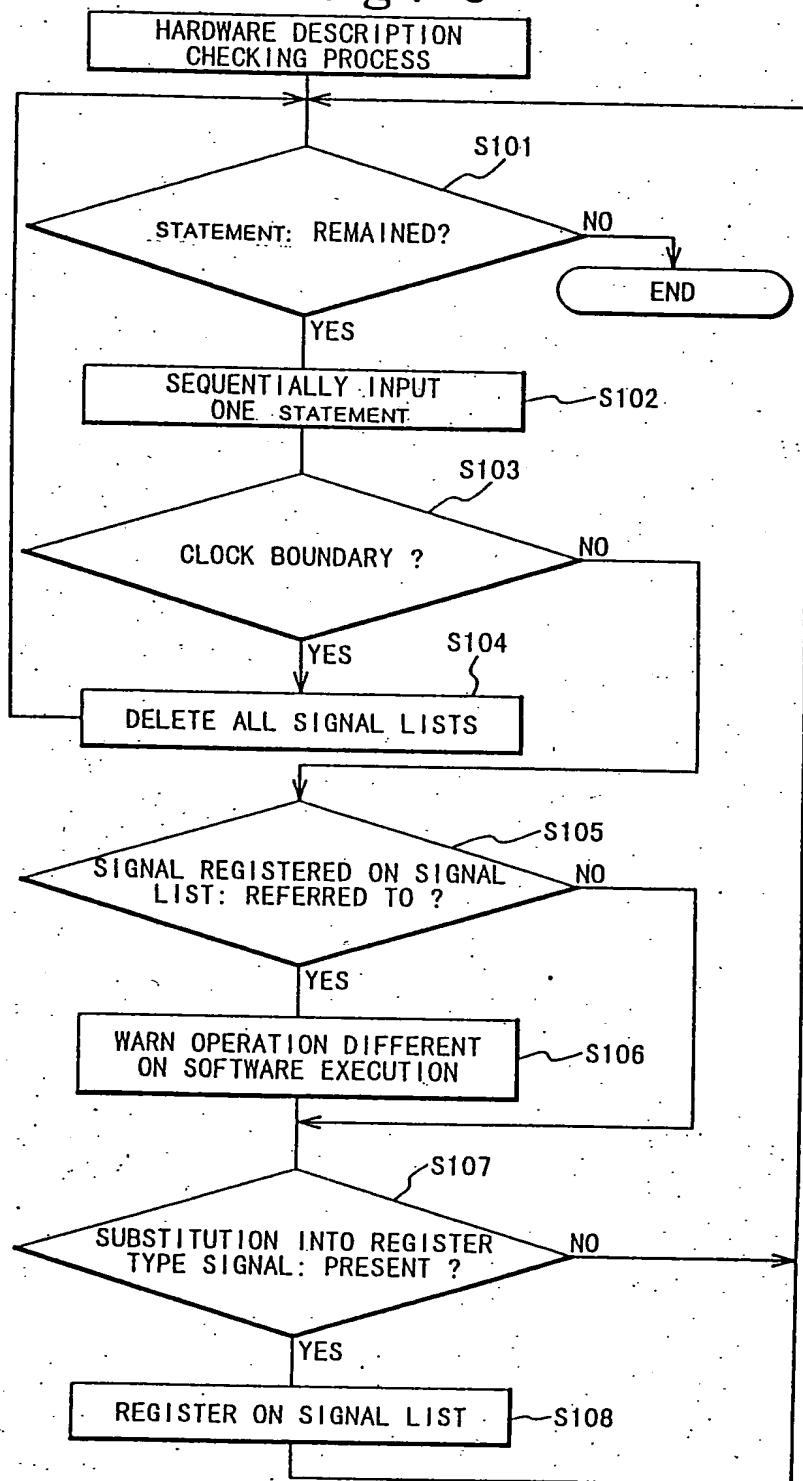
Fig. 5





REPLACEMENT SHEET
Amdt. Dated January 24, 2005
Reply to Office Action of Sept. 22, 2004
USSN: 09/777,543

Fig. 6





REPLACEMENT SHEET
Amtd. Dated January 24, 2005
Reply to Office Action of Sept. 22, 2004
USSN: 09/777,543

Fig. 7

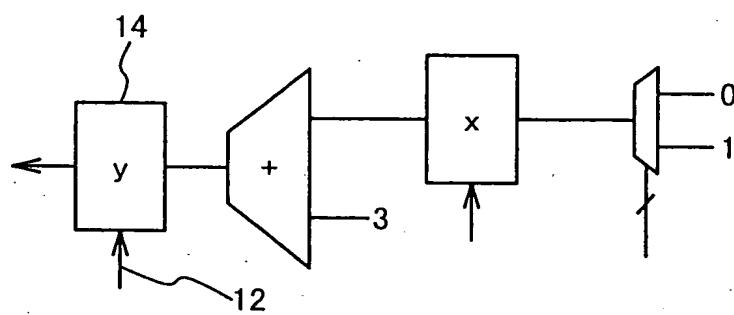
```
/* REG. C */  
  
#IFDEF C  
# DEFINE REG UNSIGNED INT  
#ENDIF  
  
MAIN()  
    /* C */  
    /* HDL */  
    /* LIST */  
  
    INT T;  
    REG x, y;  
  
    x = 0;  
    /* x=0 */  
    CLOCK();  
    /* {} */  
    x = 1;  
    /* x=1 */  
    t = 3;  
    /* t=3 */  
    y = x + t;  
    /* y=4 */  
    /* x=1, Y=3 */  
    CLOCK();  
    /* {} */  
  
    /* [x] */  
    /* {} */  
    /* [x] */  
    /* [x] */  
    /* [x] */  
    /* [x, y] */  
    /* {} */  
  
    /* S107 */  
    /* S103 */  
    /* S107 */  
    /* S105, S107 */  
    /* S103 */
```

REPLACEMENT SHEET

Amdt. Dated January 24, 2005
Reply to Office Action of Sept. 22, 2004
USSN: 09/777,543



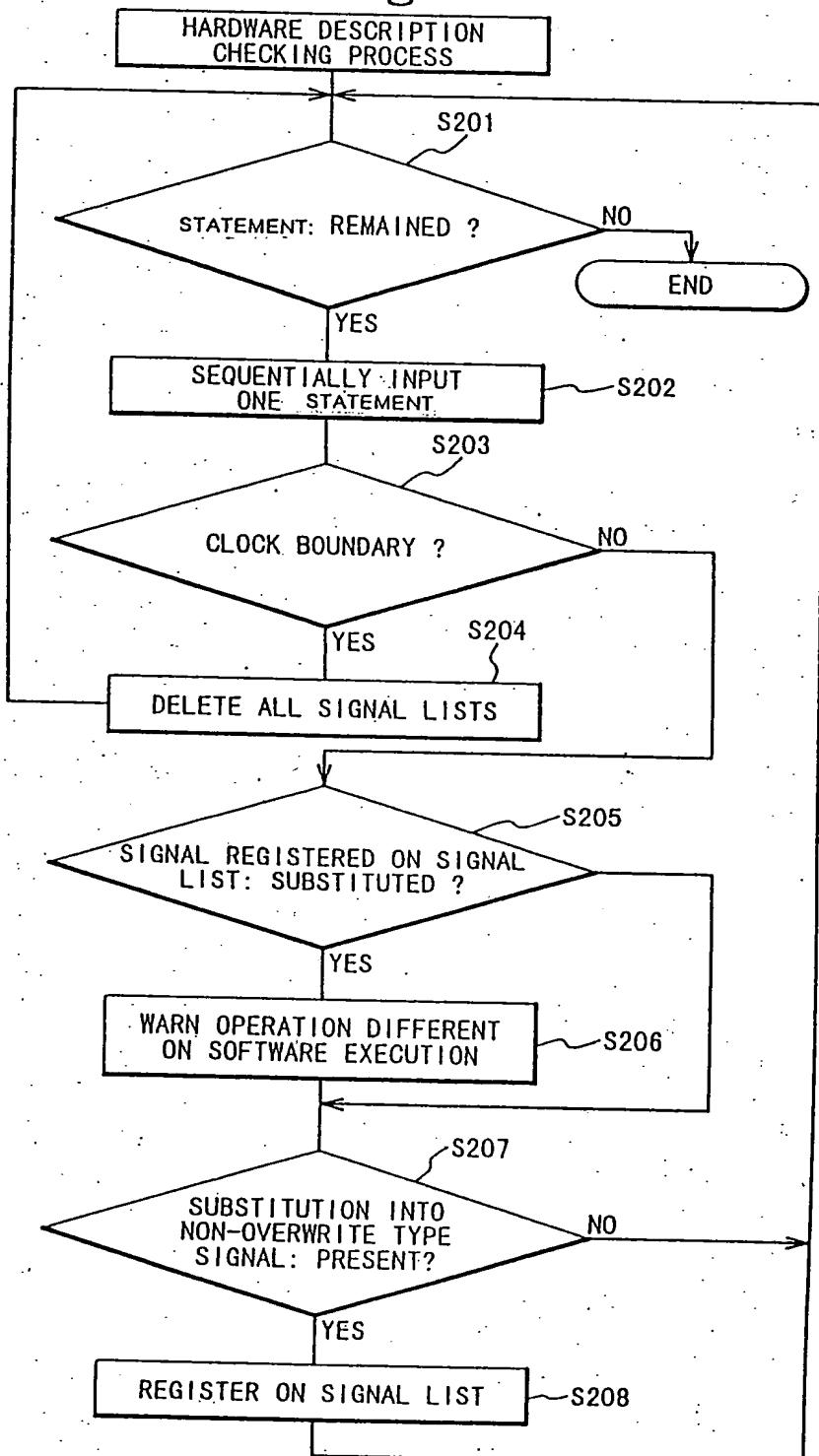
Fig. 8

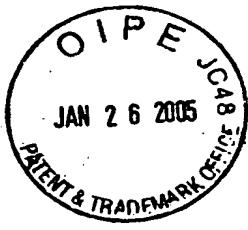




REPLACEMENT SHEET
 Amdt. Dated January 24, 2005
 Reply to Office Action of Sept. 22, 2004
 USSN: 09/777,543

Fig. 9





REPLACEMENT SHEET

Amtd. Dated January 24, 2005
Reply to Office Action of Sept. 22, 2004
USSN: 09/777,543

10

```
/* ASSIGN. C */
```

```
#ifndef C  
# define TER UNSIGNED INT  
#endif F
```

MAIN()

```

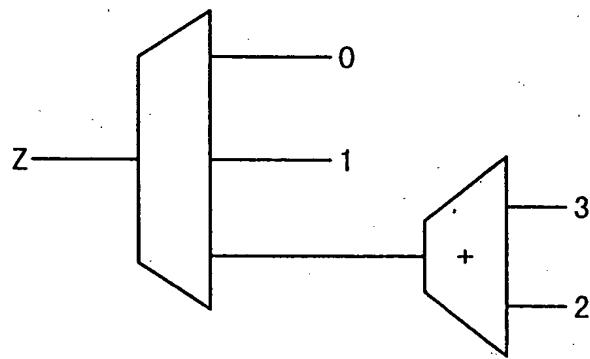
    TER z, t;
    /* C */          /* HDL */          /* LIST */
    z = 0;           /* z=0 */          /* [z] */          /* $207 */
    CLOCK();         /* */               /* {} */          /* $203 */
    z = 1;           /* z=1 */          /* [z] */          /* $207 */
    t = 3;           /* t=3 */          /* [z, t] */      /* $207 */
    z = t + 2;       /* z=5 */          /* [z, t] */      /* $205 */
    CLOCK();         /* */               /* {} */          /* $203 */

```

REPLACEMENT SHEET
Arndt. Dated January 24, 2005
Reply to Office Action of Sept. 22, 2004
USSN: 09/777,543



Fig. 11





REPLACEMENT SHEET

Amtd. Dated January 24, 2005
Reply to Office Action of Sept. 22, 2004
USSN: 09/777,543

F = 60

```
/* TER.C */
```

```
#ifdef C  
# define TER UNSINED INT  
#endif [F]
```

```

MAIN()
{
    TER z, t;
    t = 3;
    CLOCK();
    z = t + 2;
    CLOCK();
    /* C */          /* HDL */          /* LIST */
    /* t=3 */        /* t=? */        /* t */
    /* z=? */        /* z=? */        /* z */
    /* { */          /* { */          /* { */
    /* } */          /* } */          /* } */
}

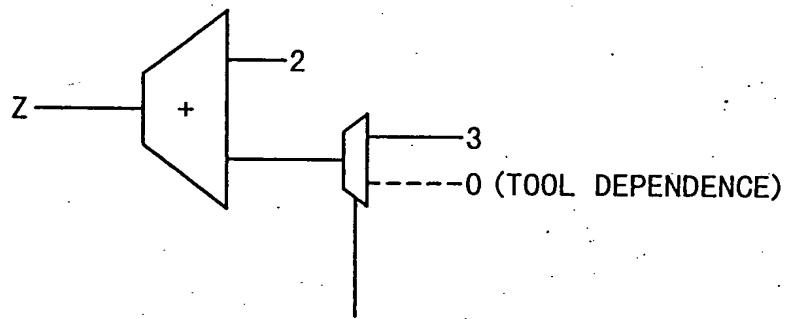
```

REPLACEMENT SHEET

Amdt. Dated January 24, 2005
Reply to Office Action of Sept. 22, 2004
USSN: 09/777,543



Fig. 13

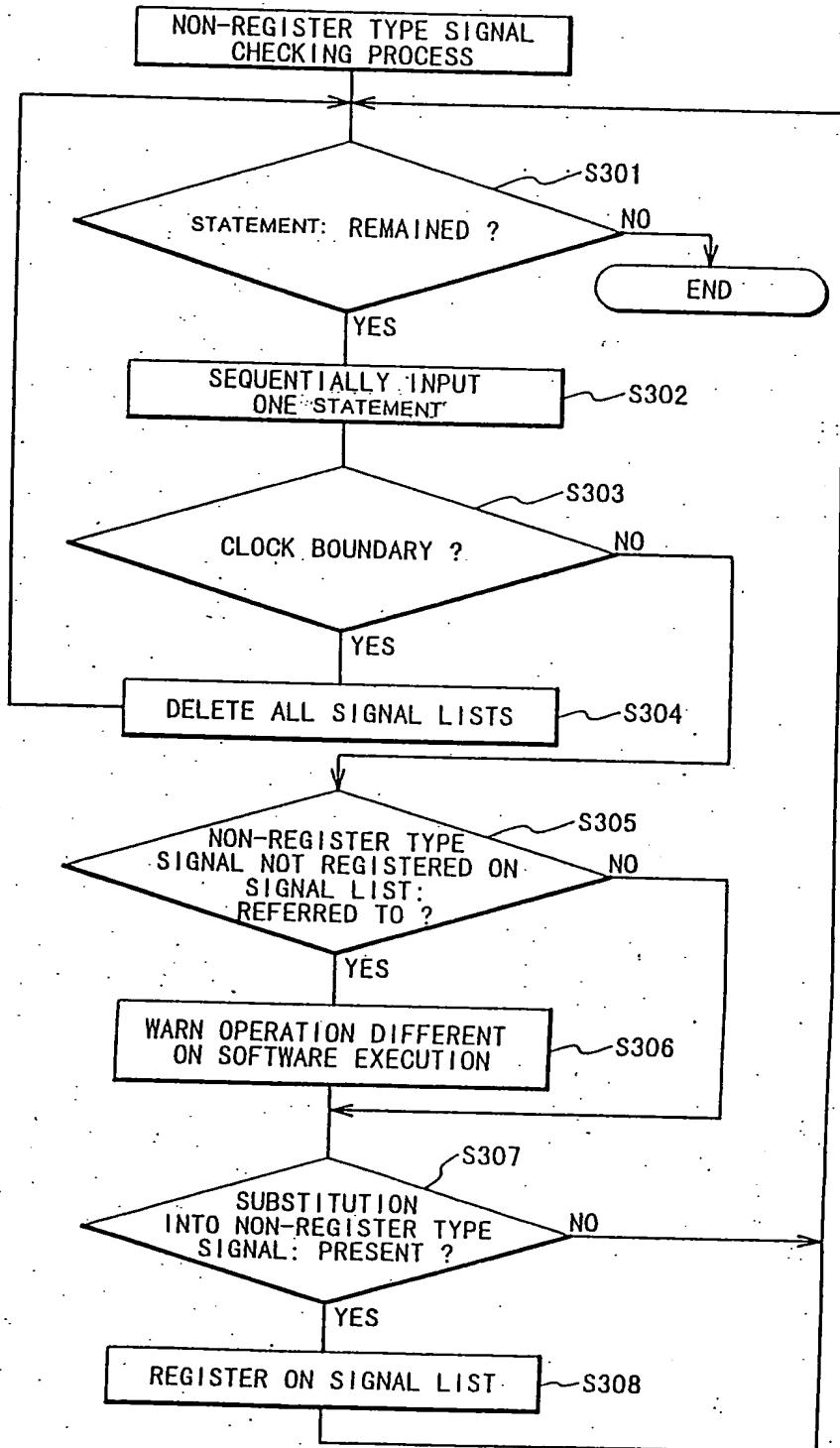


REPLACEMENT SHEET

Amdt. Dated January 24, 2005
Reply to Office Action of Sept. 22, 2004
USSN: 09/777,543



Fig. 14





REPLACEMENT SHEET

Amdt. Dated January 24, 2005
Reply to Office Action of Sept. 22, 2004
USSN: 09/777,543

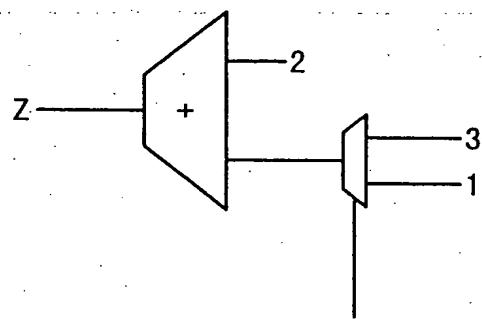
5
1
-
60
-
F

REPLACEMENT SHEET

Amdt. Dated January 24, 2005
Reply to Office Action of Sept. 22, 2004
USSN: 09/777,543



F i g . 1 6

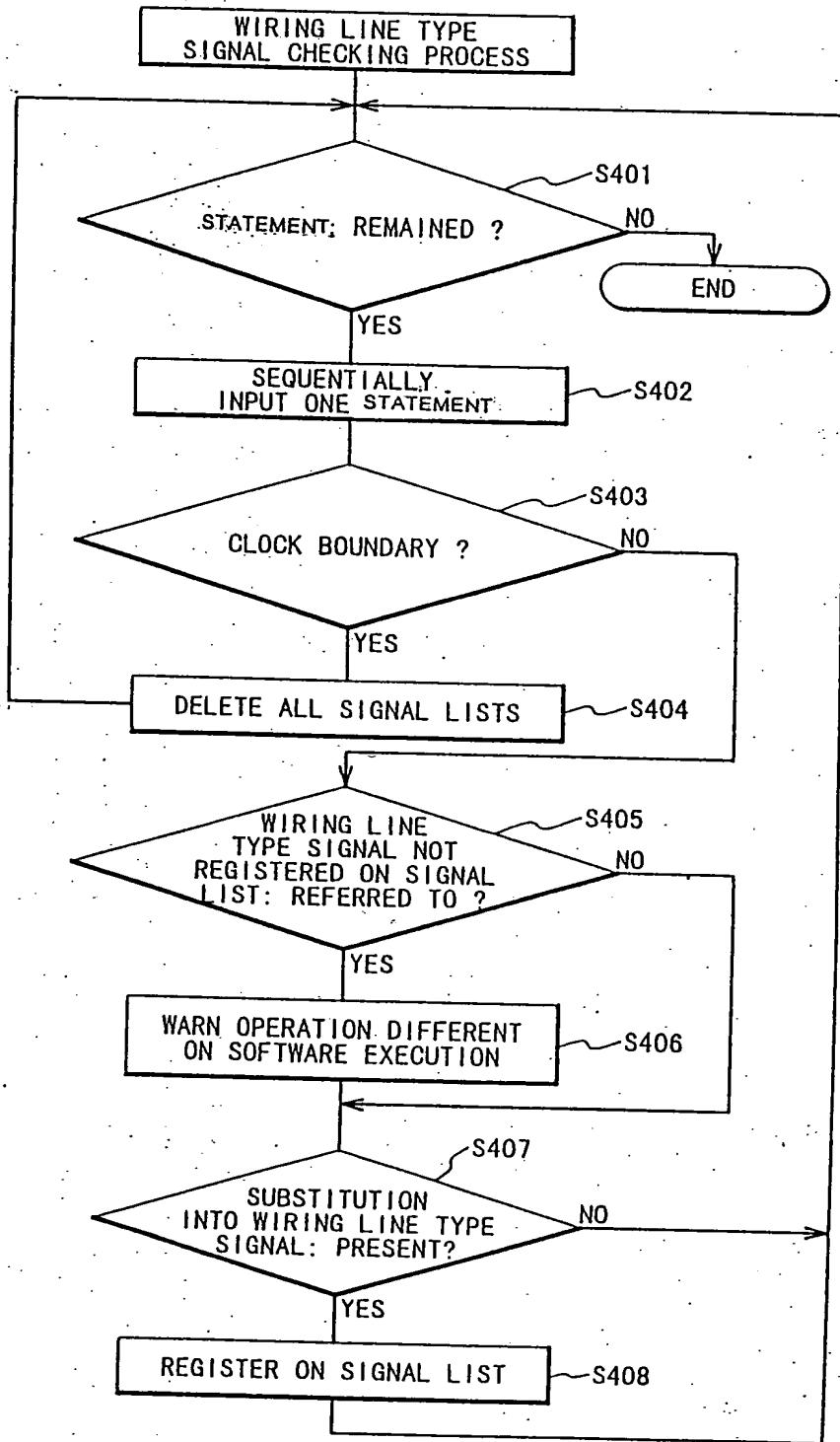


REPLACEMENT SHEET

Amdt. Dated January 24, 2005
Reply to Office Action of Sept. 22, 2004
USSN: 09/777,543



Fig. 17



REPLACEMENT SHEET
Amdt. Dated January 24, 2005
Reply to Office Action of Sept. 22, 2004
USSN: 09/777,543



F | g. 18

```
/* AND.C */  
  
MAIN()  
{  
    INT a, i;  
  
    /* C */  
    /* HDL */  
  
    i = 0;  
    a = 0;  
    CLCOK();  
    if(i >0 && a++) {  
        /* a=0 */  
        /* a=1 */  
        i = 0;  
    }  
    CLCOK();
```



REPLACEMENT SHEET
Amdt. Dated January 24, 2005
Reply to Office Action of Sept. 22, 2004
USSN: 09/777,543

Fig. 19

